

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 - 54. (Canceled)

55. (Previously Presented) A reduced visibility insect screen comprising:

a screen of intersecting fibers; and,

a coating applied to the fibers;

wherein the coating has a thickness of 0.1 to 0.3 mils.

56. (Previously Presented) The screen of claim 55, wherein the thickness is 0.15 mils.

57. (Previously Presented) The screen of claim 55, wherein the coating is disposed or deposited uniformly on the screen fibers.

58. (Previously Presented) The screen of claim 55, wherein the coating bonds the fibers at their intersections.

59. (Previously Presented) The screen of claim 55, wherein the coating is applied to the screen by electroplating, chemical vapor deposition, or applying curable liquid coatings.

60. (Previously Presented) The screen of claim 55, wherein the coating comprises an organic material.

61. (Previously Presented) The screen of claim 60, wherein the organic material comprises finely divided carbon, pigmented polymeric materials derived from aqueous or solvent based paints or coating compositions, or chemical vapor deposited organic coatings.

62. (Previously Presented) The screen of claim 55, wherein the coating comprises vinyl or an inorganic material.

63. (Previously Presented) The screen of claim 62, wherein the inorganic material comprises a metallic coating.

64. (Previously Presented) The screen of claim 63, wherein the metallic coating comprises aluminum, vanadium, chromium, manganese, iron, nickel, copper, zinc, silver, tin, antimony, titanium, platinum, gold, or lead.

65. (Previously Presented) The screen of claim 55, wherein the coating comprises a metal oxide material, metal carbide material, or metal sulfide material.

66. (Previously Presented) The screen of claim 63, wherein a second layer of the metallic coating is applied to the fibers.

67. (Previously Presented) The screen of claim 63, wherein two or more layers of the metallic coating are applied to the fibers.
68. (Previously Presented) The screen of claim 55, wherein the fibers are a mesh fabric or are formed of aluminum, fiberglass, stainless steel, bronze, or copper.
69. (Previously Presented) An insect screen assembly comprising:
a screen formed of intersecting uncoated elements, wherein each uncoated element has a width; and
a coating applied to the uncoated elements to form coated elements;
wherein the coated elements have a perceived width less than the width of the uncoated elements.
70. (Previously Presented) The screen of claim 69, wherein the coating bonds the elements at their intersections.
71. (Previously Presented) The screen of claim 69, wherein the elements are made of glass fibers, metal, metals, or polymers.
72. (Previously Presented) The screen of claim 69, wherein the elements are woven together.
73. (Previously Presented) The screen of claim 69, wherein the elements are fused together at each intersection.

74. (Previously Presented) The screen of claim 69, wherein the elements are woven and fused together at each intersection.
75. (Previously Presented) The screen of claim 69, wherein the screen is in a fenestration unit.
76. (Previously Presented) The screen of claim 75, wherein the fenestration unit is a window, a door, or an opening in a wall, building, roof, ceiling, or vehicle.
77. (Previously Presented) The screen of claim 69, wherein the screen is in an opening of a surface.
78. (Previously Presented) A reduced visibility insect screen comprising:
a screen formed of intersecting elements;
a coating applied to the screen;
wherein the coating increases a diffuse reflection of the screen.
79. (Previously Presented) The screen of claim 78, wherein the coating is a dull coating.
80. (Previously Presented) The screen of claim 78, wherein the coating has a roughened surface.
- 81 - 83. (Canceled)

84. (Previously Presented) An insect screen mesh fabric comprising:
a screen of intersecting elements; and,
a coating applied to the elements;
wherein the coating bonds the elements at each intersection.
85. (Previously Presented) An insect screen having a transmittance, said screen comprising:
a plurality of mutually orthogonal elements forming open areas that, in aggregate, define
a percent open area of said screen;
a coating applied to the elements;
wherein the percent open area corresponds substantially to the transmittance of the
screen.
86. (Previously Presented) The insect screen of claim 85, wherein the percent open area
facilitates increased airflow through the screen.
87. (Canceled)
88. (Previously Presented) A reduced visibility insect screening comprising:
a plurality of intersecting elements extending horizontally and vertically to form
openings;

wherein the screening has an open area of at least 75%; wherein the openings have horizontal and vertical dimensions of 0.06 inches or less, and wherein the screening has a reflectance of 0.04 or less.

89. (Previously Presented) The screening of claim 88 wherein the horizontal and vertical dimensions are 0.05 inches or less.

90. (Previously Presented) The screening of claim 88 wherein the horizontal and vertical dimensions are 0.03 inches or less.

91. (Previously Presented) The screening of claim 88 wherein the horizontal and vertical dimensions are 0.022 inches or less.

92. (Previously Presented) The screening of claim 88 wherein the horizontal and vertical dimensions are 0.02 inches or less.

93. (Previously Presented) The screening of claim 88 wherein the reflectance is 0.03 or less.

94. (Previously Presented) The screening of claim 88 wherein the reflectance is 0.02 or less.

95. (Previously Presented) The screening of claim 88 wherein the elements have a black matte surface finish.

96. (Previously Presented) The screening of claim 88 wherein the screening includes a coating.
97. (Previously Presented) The screening of claim 96 wherein the coating comprises a polymeric material.
98. (Previously Presented) The screening of claim 97 wherein the coating is applied as a curable fluid.
99. (Previously Presented) The screening of claim 98 wherein the curable fluid is a liquid.
100. (Previously Presented) The screening of claim 96 wherein said coating bonds the elements at their intersections.
101. (Previously Presented) The screening of claim 88 wherein the open area is 80% or more.
102. (Previously Presented) The screening of claim 101 wherein the horizontal and vertical dimensions are 0.05 inches or less.
103. (Previously Presented) The screening of claim 101 wherein the horizontal and vertical dimensions are 0.03 inches or less.

104. (Previously Presented) The screening of claim 101 wherein the horizontal and vertical dimensions are 0.022 inches or less.

105. (Previously Presented) The screening of claim 101 wherein the horizontal and vertical dimensions are 0.02 inches or less.

106. (Previously Presented) The screening of claim 101 wherein the reflectance is 0.03 or less.

107. (Previously Presented) The screening of claim 101 wherein the reflectance is 0.02 or less.

108. (Previously Presented) The screening of claim 101 wherein the elements have a black matte surface finish.

109. (Previously Presented) The screening of claim 101 wherein the screening includes a coating.

110. (Previously Presented) The screening of claim 109 wherein said coating bonds the elements at their intersections.

111. (Previously Presented) The screening of claim 88, wherein the elements are formed of aluminum, fiberglass, stainless steel, bronze, or copper.

112. (Previously Presented) The screening of claim 88, wherein the elements comprise a mesh fabric.

113 - 114. (Canceled)

115. (Previously Presented) An insect screen comprising:
a screen of intersecting elements, the screen having an open area of at least 75%;
an organic coating applied to the screen; and
wherein said coating comprises a pigment.

116. (Previously Presented) An insect screen comprising:
a screen of intersecting elements, the screen having an open area of at least 75%;
an organic coating applied to the screen; and
wherein said coating comprises finely divided carbon.

117. (Previously Presented) An insect screen comprising:
a screen of intersecting elements, the screen having an open area of at least 75%;
an organic coating applied to the screen; and
wherein said coating is applied by a liquid coating application.

118. (New) A reduced visibility insect screening comprising:
elements defining openings having a first dimension and a second dimension;
the first dimension and the second dimension being 0.06 inches or less;

the elements having a diameter of 0.007 inches or less;
the screening having an open area of 66% or greater; and
the screening having a reflectance of 0.04 or less.

119. (New) The screening of claim 118 wherein the reflectance is 0.03 or less.
120. (New) The screening of claim 118 wherein the reflectance is 0.02 or less.
121. (New) The screening of claim 118 wherein the reflectance is 0.019 or less.
122. (New) The screening of claim 118 wherein the open area is 71% or greater.
123. (New) The screening of claim 118 wherein the first dimension and the second dimension are 0.05 inches or less.
124. (New) The screening of claim 118 wherein the first dimension and the second dimension are 0.04 inches or less.
125. (New) The screening of claim 118 wherein the first dimension and the second dimension are 0.037 inches or less.
126. (New) The screening of claim 118 wherein the first dimension and the second dimension are 0.03 inches or less.

127. (New) The screening of claim 118 wherein the openings are square.
128. (New) The screening of claim 118 wherein the openings are rectangular.
129. (New) The screening of claim 118 wherein the first dimension and the second dimension are between 0.06 inches and 0.03 inches.
130. (New) The screening of claim 118 wherein the first dimension and the second dimension are between 0.05 inches and 0.03 inches.
131. (New) The screening of claim 118 wherein the first dimension and the second dimension are between 0.04 inches and 0.03 inches.
132. (New) A reduced visibility insect screening comprising:
elements defining openings having a first dimension and a second dimension;
the first dimension and the second dimension being 0.06 inches or less;
the elements having a diameter of 0.007 inches or less; and
the screening having a reflectance of 0.04 or less.
133. (New) The screening of claim 132 wherein the reflectance is 0.03 or less.
134. (New) The screening of claim 132 wherein the reflectance is 0.025 or less.

135. (New) The screening of claim 132 wherein the reflectance is 0.019 or less.
136. (New) The screening of claim 132 wherein the first dimension and the second dimension are 0.05 inches or less.
137. (New) The screening of claim 132 wherein the first dimension and the second dimension are 0.04 inches or less.
138. (New) The screening of claim 132 wherein the first dimension and the second dimension are 0.037 inches or less.
139. (New) The screening of claim 132 wherein the first dimension and the second dimension are 0.03 inches or less.
140. (New) The screening of claim 132 wherein the openings are square.
141. (New) The screening of claim 132 wherein the openings are rectangular.
142. (New) The screening of claim 132 wherein the first dimension and the second dimension are between 0.06 inches and 0.03 inches.

143. (New) The screening of claim 132 wherein the first dimension and the second dimension are between 0.05 inches and 0.03 inches.

144. (New) The screening of claim 132 wherein the first dimension and the second dimension are between 0.04 inches and 0.03 inches.

145. (New) A reduced visibility insect screening comprising:
elements having a diameter of 0.007 inches or less;
the screening having an open area of 66% or greater; and
the screening having a reflectance of 0.04 or less.

146. (New) The screening of claim 145 wherein the reflectance is 0.03 or less.

147. (New) The screening of claim 145 wherein the reflectance is 0.025 or less.

148. (New) The screening of claim 145 wherein the reflectance is 0.019 or less.

149. (New) The screening of claim 145 wherein the open area is 71% or greater.

150. (New) A reduced visibility insect screening comprising:
elements defining openings having a first dimension and a second dimension;
the first dimension and the second dimension being less than 0.06 inches;
the screening having an open area of 66% or greater; and

the screening having a reflectance of 0.04 or less.

- 151. (New) The screening of claim 150 wherein the reflectance is 0.03 or less.
- 152. (New) The screening of claim 150 wherein the reflectance is 0.025 or less.
- 153. (New) The screening of claim 150 wherein the reflectance is 0.019 or less.
- 154. (New) The screening of claim 150 wherein the open area is 71% or greater.
- 155. (New) The screening of claim 150 wherein the first dimension and the second dimension are 0.05 inches or less.
- 156. (New) The screening of claim 150 wherein the first dimension and the second dimension are 0.04 inches or less.
- 157. (New) The screening of claim 150 wherein the first dimension and the second dimension are 0.037 inches or less.
- 158. (New) The screening of claim 150 wherein the first dimension and the second dimension are 0.03 inches or less.
- 159. (New) The screening of claim 150 wherein the openings are square.

160. (New) The screening of claim 150 wherein the openings are rectangular.
161. (New) The screening of claim 150 wherein the first dimension and the second dimension are between 0.06 inches and 0.03 inches.
162. (New) The screening of claim 150 wherein the first dimension and the second dimension are between 0.05 inches and 0.03 inches.
163. (New) The screening of claim 150 wherein the first dimension and the second dimension are between 0.04 inches and 0.03 inches.
164. (New) A reduced visibility insect screening comprising:
elements defining openings having a first dimension and a second dimension;
the first dimension and the second dimension being 0.06 inches or less;
the elements having a diameter of 0.007 inches or less; and
the screening having an open area of 66% or greater.
165. (New) The screening of claim 164 wherein the open area is 71% or greater.
166. (New) The screening of claim 164 wherein the first dimension and the second dimension are 0.05 inches or less.

167. (New) The screening of claim 164 wherein the first dimension and the second dimension are 0.04 inches or less.

168. (New) The screening of claim 164 wherein the first dimension and the second dimension are 0.037 inches or less.

169. (New) The screening of claim 164 wherein the first dimension and the second dimension are 0.03 inches or less.

170. (New) The screening of claim 164 wherein the openings are square.

171. (New) The screening of claim 164 wherein the openings are rectangular.

172. (New) The screening of claim 164 wherein the first dimension and the second dimension are between 0.06 inches and 0.03 inches.

173. (New) The screening of claim 164 wherein the first dimension and the second dimension are between 0.05 inches and 0.03 inches.

174. (New) The screening of claim 164 wherein the first dimension and the second dimension are between 0.04 inches and 0.03 inches.